Special Issue

Remote Sensing and Numerical Modeling for Landslide Analysis

Message from the Guest Editors

Over the last two decades, advanced remote sensing methods and their applications have allowed geoscientists and engineers to investigate, characterize, and monitor the evolution and behavior of soil and rock slopes. Terrestrial, airborne, and satellite methods, including digital photogrammetry, laser scanning, and synthetic aperture radar, are today routinely employed in slope characterization, monitoring, as well as in hazard analysis and risk assessment. Remote sensing data are also important in the construction, constraint, and validation of numerical modelling analyses. Three-dimensional terrain models can be used in the creation of the numerical model slope geometry. Rock mass quality and discontinuity data can be used to determine slope model input material parameters and to define both discrete discontinuities and fracture networks at multiple scales, from the outcrop to the regional scale. Monitoring data can be used to constrain and validate the numerical modelling results and to assist in the identification of mechanism of failure and the factors that control the evolution and stability of a slope.

Guest Editors

Dr. Davide Donati

Prof. Dr. Doug Stead

Prof. Dr. Lisa Borgatti

Dr. Monica Ghirotti

Dr. Mirko Francioni

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Remote Sensing
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
remotesensing@mdpi.com

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Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

Editors-in-Chief

Dr. Prasad S. Thenkabail
Senior Scientist (ST), U. S. Geological Survey (USGS), USGS Western Geographic Science Center (WGSC), 2255, N. Gemini Dr., Flagstaff, AZ 86001, USA

Prof. Dr. Dongdong Wang
Institute of Remote Sensing and Geographic Information Systems, Peking University, Beijing, China

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